L Number	Hits	Search Text	DB	Time stamp	
				,	
1	89	lens near4 movable same transducer	USPAT;	2003/08/12	
			US-PGPUB;	17:12	
			EPO; JPO;	1	
_			DERWENT		
2	13808	PZT or (piezo near3 electric near3	USPAT;	2003/08/12	
	1	transducer)	US-PGPUB;	17:31	
			EPO; JPO;		
_			DERWENT		
3	180	i and a dame of the of the factor in the fac	USPAT;	2003/08/12	
		electric near3 transducer))	US-PGPUB;	16:48	
			EPO; JPO;		
			DERWENT		
4	179	(movable same (PZT or (piezo near3	USPAT;	2003/08/12	
		electric near3 transducer))) not (lens	US-PGPUB;	17:12	
		near4 movable same transducer)	EPO; JPO;		
İ			DERWENT		
5	6635	optical near3 transducer	USPAT;	2003/08/12	
		,	US-PGPUB;	17:12	
			EPO; JPO;		
_			DERWENT		
6	3	lens near4 movable near4 (optical near3	USPAT;	2003/08/12	
		transducer)	US-PGPUB;	17:14	
			EPO; JPO;	. = •	
_ [DERWENT		
7	65	movable near4 (optical near3 transducer)	USPAT;	2003/08/12	
			US-PGPUB;	17:19	
		•	EPO; JPO;		
	_		DERWENT		
3	54	lens near4 fiber same (Gaussian near3	USPAT;	2003/08/12	
		beam)	US-PGPUB;	17:20	
			EPO; JPO;		
			DERWENT		
•	1	(PZT or (piezo near3 electric near3	USPAT;	2003/08/12	
[transducer)) same (lens near4 fiber same	US-PGPUB;	17:32	ı
		(Gaussian near3 beam))	EPO; JPO;		
			DERWENT		

L Number	Hits	Search Text	DB	Time stamp
1	109137	thickness near5 (measur\$4 or determin\$4)	USPAT; US-PGPUB;	2003/08/12 13:20
2 .	2501	piezo near3 electric near4 transducer	EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO;	2003/08/12 13:21
3	12569	lens\$4 near3 fiber	DERWENT USPAT; US-PGPUB;	2003/08/12 13:21
4	3583	gaussian near3 beam	EPO; JPO; DERWENT USPAT; US-PGPUB;	2003/08/12
5	5352	RC near3 filter	EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO;	2003/08/12 13:22
6	1	(thickness near5 (measur\$4 or determin\$4)) and (piezo near3 electric near4 transducer) and (lens\$4 near3 fiber) and (gaussian near3 beam) and (RC	DERWENT USPAT; US-PGPUB; EPO; JPO;	2003/08/12 13:23
7	2	near3 filter) (thickness near5 (measur\$4 or determin\$4)) and (piezo near3 electric near4 transducer) and (lens\$4 near3	DERWENT USPAT; US-PGPUB; EPO; JPO;	2003/08/12 13:29
8	70	fiber) (thickness near5 (measur\$4 or determin\$4)) and (piezo near3 electric near4 transducer)	DERWENT USPAT; US-PGPUB; EPO; JPO;	2003/08/12 13:40
10	1	(piezo near3, electric near4 transducer) and (lens\$4 near3 fiber) and (gaussian near3 beam) and (RC near3 filter)	DERWENT USPAT; US-PGPUB; EPO; JPO;	2003/08/12 13:41
11	6	(piezo near3 electric near4 transducer) and (lens\$4 near3 fiber) and (gaussian near3 beam)	DERWENT USPAT; US-PGPUB; EPO; JPO;	2003/08/12
9	279	356/630.ccls.	DERWENT USPAT; US-PGPUB; EPO; JPO;	2003/08/12 14:21
12	7	5754297.URPN.	DERWENT USPAT	2003/08/12
13	16	("3373278" "3654109" "3804532" "3892490" "4049352" "4166784" "4208240" "4381894" "4456379" "4469713" "4478173" "4711790" "4894132" "5009485" "5032435" "5154810").PN.	USPAT	14:14 2003/08/12 14:14
14	. 22	<pre>(piezo near3 electric near4 transducer) and (lens\$4 near3 fiber) .</pre>	USPAT; US-PGPUB; EPO; JPO;	2003/08/12 14:28
15	13	5371588.URPN.	DERWENT USPAT	2003/08/12
16	1	"4995726".PN.	USPAT	14:23 2003/08/12
17	67	356/631.ccls.	USPAT; US-PGPUB; EPO; JPO;	14:24 2003/08/12 14:45
18	3	356/632.ccls.	DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/08/12 14:29

Search History 8/12/03 4:08:22 PM Page 1

19	334	356/632			
	334	330/032	USPAT;	2003/08/12	
			US-PGPUB;	14:30	
		ŀ	EPO; JPO;		
20		5050007	DERWENT		ı
20	3	5850287.URPN.	USPAT	2003/08/12	- 1
21		("400"		14:33	j
21	2	("4937449" "5731876").PN.	USPAT	2003/08/12	
22	1			14:34	- 1
22	100	356/631	USPAT;	2003/08/12	-
			US-PGPUB;	14:47	ı
1	1		EPO; JPO;		
			DERWENT		1
23	166	356/503	USPAT;	2003/08/12	-
		•	US-PGPUB;	14:55	-
	l		EPO; JPO;		-1
1	İ	·	DERWENT		-
24	109	356/485	USPAT;	2003/08/12	1
			US-PGPUB;	15:06	
			EPO; JPO;		1
			DERWENT		1
25	54	(Incaro //// // OI	USPAT;	2003/08/12	
		determin\$4)) and (RC near3 filter)	US-PGPUB;	15:16	ľ
		·	EPO; JPO;	1	
			DERWENT		1
26	633767	laser	USPAT;	2003/08/12	1
			US-PGPUB;	15:17	
•		_	EPO; JPO;	1	1
	1		DERWENT		
27	11633	PZT	USPAT;	2003/08/12	1
			US-PGPUB;	15:17	
			EPO; JPO;	10.17	1
	1		DERWENT		
28	127	(lens\$4 near3 fiber) and laser and PZT	USPAT;	2003/08/12	
		,	US-PGPUB;	15:30	
		İ '	EPO; JPO;	13.30	
		,	DERWENT		
29	13970	(piezo near3 electric near4 transducer)	USPAT;	2003/08/12	
		or PZT	US-PGPUB;	15:42	Ì
			EPO; JPO;	10.12	
		·	DERWENT		
30	888	(thickness near5 (measur\$4 or	USPAT;	2003/08/12	
		determin\$4)) and ((piezo near3 electric	US-PGPUB;	15:42	
ļ		near4 transducer) or PZT)	EPO; JPO;	10.42	İ
			DERWENT		
31	21	(lens\$4 near3 fiber) and ((thickness	USPAT;	2003/08/12	
		near5 (measur\$4 or determin\$4)) and	US-PGPUB;	15:42	
		((piezo near3 electric near4 transducer)	EPO; JPO;	13.42	
		or PZT))	DERWENT		
	L		DREWRIAT		1

L Number	Hits	Search Text	DB	Time stamp
1	109137	thickness nears (massime)	1,10,5==	
-	103137	thickness near5 (measur\$4 or determin\$4)	USPAT; US-PGPUB;	2003/08/12 13:20
			EPO; JPO;	
2	2501	piezo near3 electric near4 transducer	DERWENT	
-	2001	prezo meats efectite meat4 transducer	USPAT; US-PGPUB;	2003/08/12
			EPO; JPO;	13:21
1_			DERWENT	
3	12569	lens\$4 near3 fiber	USPAT;	2003/08/12
			US-PGPUB;	13:21
			EPO; JPO; DERWENT	
4	3583	gaussian near3 beam	USPAT;	2003/08/12
1			US-PGPUB;	13:22
			EPO; JPO;	
5 .	5352	RC near3 filter	DERWENT	
"	3332	RC Hears litter	USPAT;	2003/08/12
			US-PGPUB; EPO; JPO;	13:22
			DERWENT	·
6	1		USPAT;	2003/08/12
		determin\$4)) and (piezo near3 electric	US-PGPUB;	13:23
		near4 transducer) and (lens\$4 near3 fiber) and (gaussian near3 beam) and (RC	EPO; JPO;	
		near3 filter)	DERWENT	
7	2	(thickness near5 (measur\$4 or	USPAT;	2003/08/12
		determin\$4)) and (piezo near3 electric	US-PGPUB;	13:29
		near4 transducer) and (lens\$4 near3	EPO; JPO;	
8	70	fiber) (thickness near5 (measur\$4 or	DERWENT	,
1	, ,	determin\$4)) and (piezo near3 electric	USPAT; US-PGPUB;	2003/08/12
		near4 transducer)	EPO; JPO;	13:40
1.0		·	DERWENT	
10	1		USPAT;	2003/08/12
		and (lens\$4 near3 fiber) and (gaussian near3 beam) and (RC near3 filter)	US-PGPUB;	13:41
		Scam, and (NC Hears litter)	EPO; JPO; DERWENT	
11	6	(piezo near3 electric near4 transducer)	USPAT;	2003/08/12
1		and (lens\$4 near3 fiber) and (gaussian	US-PGPUB;	13:41
		near3 beam)	EPO; JPO;	
9	. 279	356/630.ccls.	DERWENT	2002/02/12
		· ·	USPAT; US-PGPUB;	2003/08/12
			EPO; JPO;	11.61
12	_,	F75 4207 UDDY	DERWENT	
12	7	5754297.URPN.	USPAT	2003/08/12
13	16	("3373278" "3654109" "3804532"	USPAT	14:14
		"3892490" "4049352" "4166784"	USERI	2003/08/12
]	"4208240" "4381894" "4456379"		,
		"4469713" "4478173" "4711790"		
		"4894132" "5009485" "5032435" "5154810").PN.		
14	22	(piezo near3 electric near4 transducer)	USPAT;	2003/08/12
		and (lens\$4 near3 fiber)	US-PGPUB;	14:28
		·	EPO; JPO;	
15	12	5271500 JIDDN	DERWENT	
15	13	5371588.URPN.	USPAT	2003/08/12
16	1	"4995726".PN.	USPAT	14:23 2003/08/12
			ODENI	14:24
17	67	356/631.ccls.	USPAT;	2003/08/12
			US-PGPUB;	14:45
.			EPO; JPO;	
18	3	356/632.ccls.	DERWENT USPAT;	2003/08/12
			US-PGPUB;	14:29
	1		EPO; JPO;	= =
Soomah Wis			DERWENT	

Search History 8/12/03 3:31:21 PM Page 1

334	356/632	Trians.	T = 22
334	3307032	1	2003/08/12
1			14:30
١ ,	E050207 UPDV		
)	3030287.URPN.	USPAT	2003/08/12
1	/!! 4027440!! !!5704074!!		14:33
2	("493/449" "5/318/6").PN.	USPAT	2003/08/12
100	25.6.4.62.6		14:34
100	356/631	USPAT;	2003/08/12
		US-PGPUB;	14:47
		EPO; JPO;	
1		DERWENT	1
166	356/503	USPAT;	2003/08/12
		US-PGPUB;	14:55
		EPO; JPO;	
		DERWENT	
109	356/485	USPAT;	2003/08/12
		US-PGPUB;	15:06
		EPO; JPO;	
		DERWENT	
54	(thickness near5 (measur\$4 or	USPAT;	2003/08/12
	determin\$4)) and (RC near3 filter)	US-PGPUB;	15:16
-	·	EPO; JPO;	
		DERWENT	1
633767	laser	USPAT;	2003/08/12
	, •	US-PGPUB;	15:17
-		EPO; JPO;	
		DERWENT	
11633	PZT	USPAT;	2003/08/12
			15:17
		1	
		1	
127	(lens\$4 near3 fiber) and laser and PZT		2003/08/12
	,	1	15:30
			1 20.50
		DERWENT	
	100 166 109 54 633767 11633	3 5850287.URPN. 2 ("4937449" "5731876").PN. 100 356/631 166 356/503 109 356/485 54 (thickness near5 (measur\$4 or determin\$4)) and (RC near3 filter) 633767 laser 11633 PZT	Second S

L Number	Hits	Search Text	DB	Time stamp
1	109137	thickness near5 (measur\$4 or determin\$4)	IICDAM -	12002/00/10
	103137	discourses hears (measured or determin\$4)	USPAT; US-PGPUB; EPO; JPO;	2003/08/12 13:20
2	2501	piezo near3 electric near4 transducer	DERWENT USPAT; US-PGPUB;	2003/08/12 13:21
3	12569	lens\$4 near3 fiber	EPO; JPO; DERWENT USPAT; US-PGPUB;	2003/08/12 13:21
4	3583	gaussian near3 beam	EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO;	2003/08/12 13:22
5	5352	RC near3 filter	DERWENT USPAT; US-PGPUB; EPO; JPO;	2003/08/12 13:22
6	1	(thickness near5 (measur\$4 or determin\$4)) and (piezo near3 electric near4 transducer) and (lens\$4 near3 fiber) and (gaussian near3 beam) and (RC	DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/08/12 13:23
7	2	near3 filter)	USPAT; US-PGPUB; EPO; JPO;	2003/08/12 13:29
8	70	(thickness near5 (measur\$4 or determin\$4)) and (piezo near3 electric near4 transducer)	DERWENT USPAT; US-PGPUB; EPO; JPO;	2003/08/12
10	1	(piezo near3 electric near4 transducer) and (lens\$4 near3 fiber) and (gaussian near3 beam) and (RC near3 filter)	DERWENT USPAT; US-PGPUB; EPO; JPO;	2003/08/12 13:41
11	6	<pre>(piezo near3 electric near4 transducer) and (lens\$4 near3 fiber) and (gaussian near3 beam)</pre>	DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/08/12 13:41
9	279	356/630.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/08/12 14:21
12	7	5754297.URPN.	USPAT	2003/08/12 14:14
13	16	("3373278" "3654109" "3804532" "3892490" "4049352" "4166784" "4208240" "4381894" "4456379" "4469713" "4478173" "4711790" "4894132" "5009485" "5032435" "5154810").PN.	USPAT	2003/08/12 14:14
14	22	<pre>(piezo near3 electric near4 transducer) and (lens\$4 near3 fiber)</pre>	USPAT; US-PGPUB; EPO; JPO;	2003/08/12 14:28
15	1	5371588.URPN.	DERWENT USPAT	2003/08/12
16	1	"4995726".PN.	USPAT	14:23 2003/08/12 14:24
17	67	356/631.ccls.	USPAT; US-PGPUB; EPO; JPO;	14:24 2003/08/12 14:45
18	3	356/632.ccls.	DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/08/12 14:29

Search History 8/12

8/12/03 2:58:09 PM

19	334	356/632	USPAT;	2003/08/12	\neg
			US-PGPUB;	14:30	- 1
			EPO; JPO;		1
	1		DERWENT		
20	3	5850287.URPN.	USPAT	2003/08/12	- 1
	_			14:33	
21	2	("4937449" "5731876").PN.	USPAT	2003/08/12	
				14:34	
22	100	356/631 .	USPAT;	2003/08/12	j
İ			US-PGPUB;	14:47	
			EPO; JPO;		
			DERWENT		ľ
23	166	356/503	USPAT;	2003/08/12	
			US-PGPUB;	14:55	
			EPO; JPO;		
			DERWENT		- 1
24	109	356/485	USPAT;	2003/08/12	
			US-PGPUB;	14:55	
			EPO; JPO;		
	<u> </u>		DERWENT		